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IMPLEMENTING DATA MANAGEMENT APPLICATION PROGRAMMING INTERFACE ACCESS RIGHTS IN A PARALLEL FILE SYSTEM

ABSTRACT

In a cluster of computing nodes having shared access

5　to one or more volumes of data storage using a parallel file system, a method for managing the data storage includes initiating a data management application in the cluster using a data management application programming interface (DMAPI) of the parallel file system. When a

10　request submitted to the parallel file system is received on one of the nodes to perform an operation on a file in one of the volumes of data storage, a data management access right is obtained from the DMAPI responsive to the request. The operation is performed on the file using

15　the access right.